University of California, Berkeley
Physics 110A, Section 2, Spring 2003 (Strovink)

GENERAL INFORMATION (12 Feb 03)

Web site for this course: http://d0lbln.lbl.gov/110as03-web.htm . **Archival web site** for the Fall 2001 version of this course: http://d0lbln.lbl.gov/110af01-web.htm (this provides a reference set of worked problem assignments and exams). **Backup web sites**: substitute d0lblc for d0lbln in the above URLs.

Instructors: Prof. **Mark Strovink**, 437 LeConte; (LBL) 486-7087; (home, before 10) 486-8079; (UC) 642-9685. Email: strovink@lbl.gov . Web: http://d0lbln.lbl.gov/ . Office hours: M 3:15-4:15, 5:30-6:30.
Mr. **Uday Varadarajan**, 281 LeConte; (UC) 643-1139; (LBL) 486-6119; (home, before 12) 666-0720. Email: udayv@socrates.berkeley.edu . Office hours (in 281 LeConte): Tu 4-5; Th 11-12, 3-5.

Lectures: Tu Th 9:40-11:00 in 3 Evans. (At present, all but three students' schedules are also open during Tu 5:10-6:30. Please try to maintain your availability during this additional time period; during the semester it may be necessary to move one or two lectures to this slot.) Lecture attendance is strongly encouraged, since the course content is not exactly the same as that of the text.

Discussion Sections: Taught by Mr. Varadarajan. First week: one Tu section at 5:10 in 70 Evans. Balance of the semester: two sections, on W 5:30-6:30 and Th 5-6. The permanent room for these two sections is 343 LeConte. During the second week, they meet in 336 LeConte and 343 LeConte, respectively. You are especially encouraged to attend discussion section regularly. There you will learn techniques of problem solving, with particular application to the assigned exercises.

Texts:
• Griffiths, **Introduction to Electrodyamics** (3rd ed., Prentice-Hall, 1999, required). Get the fourth (or later) printing, which has fewer typos. I feel that this text is well written and pedagogically effective, though its scope is modest and its problems are sometimes not very physical.
• If you are planning to attend physics graduate school, it would be smart now to purchase Jackson, **Classical Electrodynamics** (3rd ed., Wiley). Optionally, it can be useful in this course.

Problem Sets: A required and most important part of the course. Twelve problem sets are assigned and graded. Problem sets are due on Fridays at 5 PM, beginning in week 2. *Exceptions*: no problem set is due during the week of each midterm exam. Please deposit problem sets in the box labeled "110A Section 2 (Strovink)" near the second floor breezeway between LeConte and Birge Halls. You are encouraged to attempt all of the problems. Students who do not do so find it almost impossible to learn the material and to succeed on the examinations. Late papers will not be graded. Your lowest problem set score will be dropped, in lieu of due date extensions for any reason. You are encouraged to discuss problems with others in the course, but you must write up your homework by yourself.

Exams: There will be two 80-minute midterm examinations and one 3-hour final examination. Before confirming your enrollment in this class, please check that its final Exam Group 9 does not conflict with the Exam Group for any other class in which you are enrolled. Please verify now that you will be available for the midterm examinations on Th 27 Feb and Th 10 Apr (in 3 Evans), both at 9:40-11:00 AM; and for the final examination on Tu 20 May, 8-11 AM. Except for unforeseeable emergencies, it will not be possible for the midterm or final exams to be rescheduled. Passing 110A requires passing the final exam.

Grading: 25% problem sets, 35% midterms, 40% final exam. Departmental regulations call for an *A*:*B*:*other* distribution in the ratio 7:8:5. Depending on you, the "*other*" grades can be all *C*'s; no minimum number of *D*'s or *F*'s need be given.